

## ABSTRACT OF THE DISCLOSURE

A CRC encoding circuit for generating a CRC code in accordance with a parallel data having a remainder portion data in a last data set of the parallel data, comprises: a first encoding unit for generating one or more first CRC codes in parallel in accordance with the remainder portion data; a CRC code selecting unit for selecting a second CRC code having predetermined number of bytes, from the first CRC codes generated by the first encoding unit; a converting unit for converting the remainder portion data into a serial data; and a second encoding unit for generating a third CRC code in accordance with the second CRC code selected by the CRC code selecting unit and the serial data converted by the converting unit.